Fuel Abat.

Vol. 15: No. 44
Apr. 1954

Steam Raising and Steam

Dingipes

Steam Raising and Steam

Find the score of the steam of the s

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

Determining vibration characteristics of steam turbine blades from tables.

Elek.sta. 24 no.4:23-24 ap '53. (MERA 6:5)

(Steam turbines--Blade)

ANTONOV, E.I., inzh.; KUZNETSOV, D.P., inzh.; LAVRUKHINA, T.P., inzh.; TSYRKIN, I.Z., inzh.

Redesigning of the EP-3-600 ejector for operation on steam pressures of 6 atm. Energetik 10 no.5:13-16 My '62. (MIRA 15:5) (Steam turbines)

TSEKHANSKIY, K.R., inzh.; TSYRKIN, I.Z., inzh.

Apparatus for the dynar balancing of recors and for the the of vibrations in machine units. Blek. out. of no. 9:51-55 S '61. (MIRA 14:10)

(Electric apparatus and appliances)
(Balancing of machinery)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

和EDISETER (1994年1997年)。在1997年中的中国共产的中国共产党的中国共产党的企业,企业企业的企业的企业,但可以使用的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业。

LEVIN, Mark Iosifovich; TSYRKIN, Mikhail Isaakovich; MATYUNIN, A.S., insh., retsensent; ZBROZHEK, V.V., insh., nauchnyy red.; APTEKMAN, M.A., red.; FRUMKIN, P.S., tekhn.red.

[Antomatic systems for controlling temperatures of marine diesel engines] Sistemy avtomaticheskogo regulirovaniia temperatur v sudovykh disel'nykh ustanovkakh. Leningrad, Gos.soiusnos izd-vo sudostroit.promyshl., 1959. 138 p. (MIRA 12:5)

(Marine diesel engines--Cooling) (Automatic control)

(Temperature regulators)

BRUNSHTEYN, B.A.; IVANOV, A.G.; KLIMENKO, V.I.,; TSYRKIN, Ye.B.

Distribution of expenditures for acetylene and ethylene in their simultaneous production. Nefteper. i neftekhim. no.4:28-30 '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-lesledovateliskly institut nefteklisid.e-kizh protsessov.

KLIMENKO, V.L.; TSYRKIN, Ye.B.

Use of butylenes in petroleus chemistry. Trudy LIEI no. 46: 34-43 '63. (MIRA 17:6)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

是我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人, 第一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就

KLIMENKO, V.L.; RUDKOVSKIY, D.M.; TSYRKIN, Ye.B.

Present status of and prospects for the development of exc-synthesis abroad. Nefteper. i neftekhim. nc.3:47-52 463. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovateliskiy institut neftekhimicheskikh protsessov.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

- 1. TSYRKIHA, E. C.
- 1. USSR (600)
- 4. Latvia Soils
- 7. Date on identification of organic matter in the soil of Latvian S.S.A. Latv. PSR Zin. Akaa. Vestis 1, 1951

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

Tsyrkina, E. B.

36627. Podbizhnyye Formy Organicheskogo Veshchestva v Torfakh Latviyskoy SOR.

Izvestiya Akad. Mauk Latv. ESr. 1949 No. 10, c. 59-63. - Rezyure Na Latysh. Yaz.

SO: Letopis' Zhurnal'ynkh Statey, Vol. 50, Hoskva, 1949

- 1. TSYRKINA, E. B.
- 2. USSR (600)
- 4. Soils-Latvia
- 7. Data on identification of organic matter in the soil of Latvian S. S. R. Latv. PSR Zin. Akad. Vestis. No. 1, 1951.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

TSYAKIM, N. I.

Automation of test-branches for diesel engines. Energomashinostroenie, no 1, p. 24, 1956.

The article describes tests on two automatic systems developed by the "Musski Diesel" factory and successfully applied on the works test bench. One system provides for automatically maintaining the fuel level in the tanks, the other gives an alarm if the pressure drops in the lubricating oil or cooling water systems. The schemes are also recommended for use when operating diesel engines.

Abstract - D 470255

Carcass stretching for sawing. Mias. ind. SSSR 26 no.3:55 '55.

(MIRA 8:9)

1. Mogilevskiy myasokombinat
(Mogilev—Heat industry)

TSYRKUNOV, L.P.

Importance of liver and gastric function in the development of skin lesions caused by epoxy resins and nickel salts. Vest. derm. i ven. 37 no.6:27.30 Je 163. (Mike 17:6)

1. Kiyevskiy institut g.giyeny truda i professional'nykh zebolevaniy (dir. - prof. 1.1. Medved') i kafedra kozhnykh bolezney (zav. - prof. 1.1. lototskiy) Kiyevskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

TSYRKUNOV, L.P.

Skin disorders in Pringle-Bourneville disease. Vest. derm. i ven. 37 no.7149-52 Jl.63 (MIRA 16:12)

l. Klinika kozhnykh i venericheskikh bolezney (nauchnyy ruko-voditel - dotsent S.N. Bogdanovich) Kiyevskogo meditsinskogo instituta i Kiyevskogo instituta gigiyeny truda i professional nykh zabolevaniy.

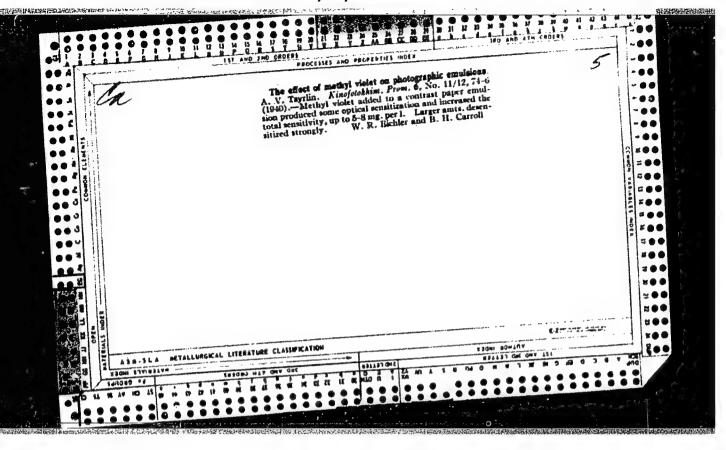
GUR, E.K.; TSYRKUNOV, L.P.

。 第16年的中国人民共和国人民共和国人民共和国共和国共和国共和国共和国共和国共和国共和国

Tuberous sclerosis. Vrach. delo no.10:117-119 0 '61. (MIRA 14:12)

1. Klinika nervnyklı bolezney (zav. - deystvitel'nyy chlen AMN SSSR, prof. B.N.Man'kovskiy) i klinika koznykh i venericheskikh bolezney (zav. - dotsent S.N.Bogdanovich) Kiyevskogo meditsinskogo instituta imeni akademika A.A.Bogomol'tsa.

(TUBEROUS SCLEROSIS)



	是他们是一种的时候,在中国的最后的是一种的一种的一种。在这个时间,可以是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	
1.	CERTIFY, ?.	
2.	USSR (600)	
	Compressors	
7.	Testing a refrigeration turbo-compressor unit, Yhol. tekh. 30.no. 1, 1953.	
11		
	y	د . د
9.	Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassif	ied.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

MEDOVAR, L., inzh.; UZHANSKIY, V., inzh.; TSYRLIN, R., inzh.

Electronic indicators for refrigeration compressors [with summary in English]. Khol. tekh. 37 no.2:8-12 My-Ap 60. (MIRA 13:10)

1. Vsesoyusnyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti.

(Compressors) (Strain gauges)

15/5/EP-PETERAR DE PETER P

BUKHTER, Ye., inzh.: TSYRLIN, B., inzh.

Principal trends in the development of centrifugal refrigeration compressors. Khol. tekh. 35 no. 3:23-28 My-Je *58. (MIRA 11:7)

1. TSentral nove konstruktorskove byuro kholodil nogo mashinostroveniya (for Bukhter). 2. Vsesoyuznyy nauchno-issladovatel skiy institut kholodil nov promyshlennosti(for TSyrliu).

(Compressors)

14(1)

sov/65-59-3-4/31

AUTHOR:

Tsyrlin, B. Engineer

TITLE:

Application of Helical Gear Compressors in Refrigeration Engineering

PERIODICAL:

Kholodil naya tekhnika, 1959, Nr 3, pp 16-20 (USSR)

ABSTRACT:

Helical gear compressors are the latest development in compressors. Professor Lisholm has introduced this type of compressor in Sweden, where it is produced by the SRM firm. Helical gear compressors are also being turned out in Great Britain, the USA and Germany. The article described the principle features of this new machine which has the advantage of requiring no lubrication due to the fact that friction between rotors is eliminated, being machined in such a way that finding such faces do not come into contact. Helical gear compressors are of either single-or double step design and consist of comparatively few pants. Rotors are made of carbon steel, bodies of wrought iron; thrust bearings are usually made in the form of bronze bushings. Loss due to returne flow decreases as peripheral speed increases. In air compressors, having a compression degree of \$\Pi\$ =2.544.0 peripheral speed is estimated

Card 1/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

sov/66-59-3-4/31

Application of Helical Gear Compressors in Refrigeration Engineering

at 80-100 m-sec with the number of revolutions varying from 3,000 to 30,000 per minute. Helical gear compressors have a comparatively high and steady efficiency factor. In comparison with piston type compressors helical gear compressors are 2-10 times smaller and 10-100 times lighter. Helical gear compressors are built up to a capacity of 30,000 cu m-hr; Helical gear compressors are built up to a capacity of mining engines in the they are used not only as compressors but also for driving engines in the mining and coal industry, also for air conditioning in pressurized cabins mining and coal industry, also for air conditioning in pressurized cabins of high altitude aircraft. Helical gear compressors are not yet being used in the refrigeration industry, except in some special cases, however, used in the refrigeration industry, they are called upon to take a due to their outstanding properties, they are called upon to take a predominant place in refrigeration engineering beside centrifugal compressors. There are 6 diagrams, 1 graph and 5 references, 2 of which are Soviet, 1 German, 1 Swedish, and one English.

Card 2/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

SOV/66-59-3-4/31

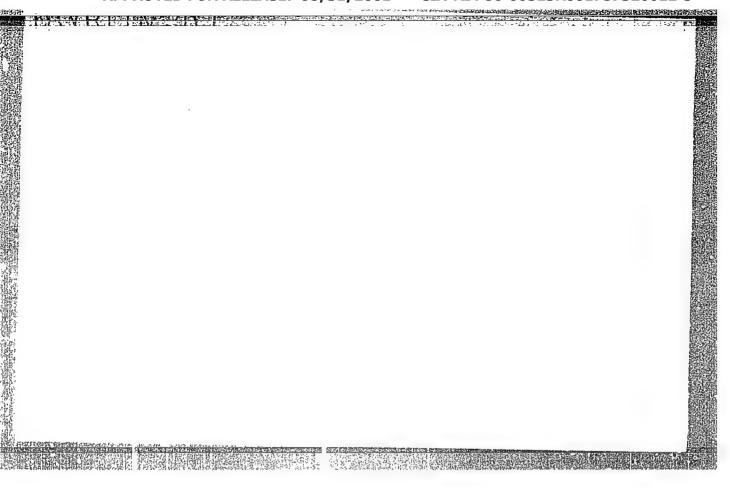
Application of Helical Gear Compressors in Refrigeration Engineering

ASSOCIATION:

Vsesoyuznyy nauchno-issledovatel skiy institut kholodil noy promyshlen-nosti (All-Union Scientific Research Institute of Refrigeration Industry)

Card 3/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

Achievements in the superphesphate industry and trends in its development. Zhur.prikl.khim.28 ne.10:1025-1036 0 155.
(Phosphates)

(MIRA 9:2)



TSYRWIN, D.L

AID P - 3918

OF THE DESIGNATION OF THE PROPERTY OF THE PROP

Subject

: USSR/Chemistry

Card 1/1

Pub. 152 - 1/19

Author

: Tsyrlin, D. L.

Title

: Progress in the manufacture of superphosphates and

its further development

Periodical

: Zhur. prikl. khim. 28, 10, 1025-36, 1955

Abstract

The greatest achievement in the manufacture of superphosphates is the conversion of the process to a continuous method of production. A flow sheet and a description of the plant units are given. A semi-

continous process for the manufacture of superphosphates and a granulation method are also described. Two tables,

6 diagrams, no references.

Institution:

None

Submitted

No date

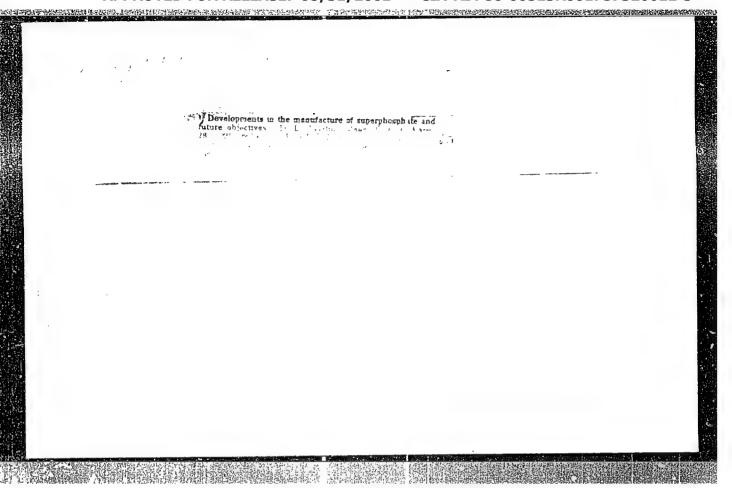
GOFMAN, I.L.; ZUSSER, Ye.Ye.; TSYRLIN, D.L.; SHERESHEVSKIY, A.I.

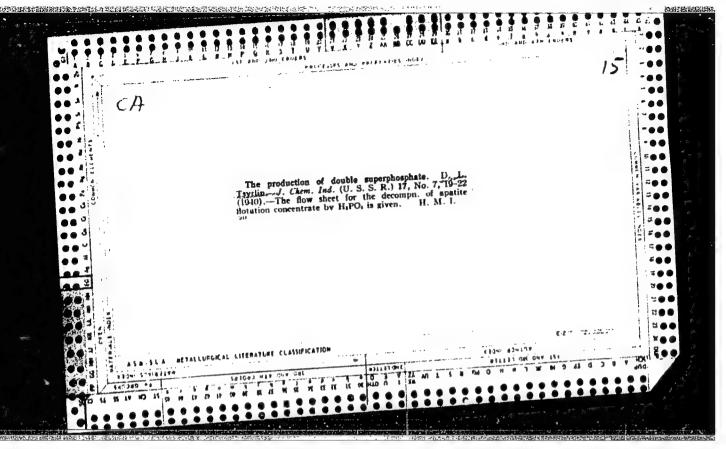
Doveloping the technology of granulated superphosphate production.

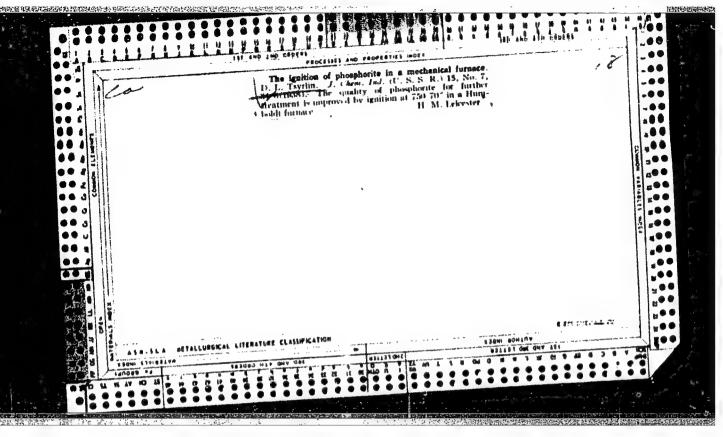
Trudy NIUIF no.157:7-60 '55.

(Fhosphates)

(Fhosphates)







BERNSHTEYN, E.S., inzhener; TSYRLIN, D.Sh., inzhener.

Elimination of oil leakage from steam turbine bearings. Energetik 4 no.6:19-21 Je '56. (MLRA 9:8)

(Bearings (Machinery))

LODOCHNIKOV, E.A., in: ..; TSYRLIN, I.A., inzh.; SHIPCKOV, Yu.P., inzh.; SURIN, N.V., inzh.

New series of d.c. micromotors. Elektrotekhnika 35 no.7:40-42 164. (MIRA 17:11)

PIMENOV, Yuriy Ivanovich; TSIRLIN, I.I., red.; SIDOROVA, A.A., tekhn. red.

[In the region around Moscow] V Podmoskov'e. Moskva, Gos. izdvo "Iskusstvo," 1958. 82 p. (MIRA 11:10)

(Moscow Province—Description and travel)

AUTHOR: Tsyrlin, L. 2-58-6-10/16

TITLE: Statistical Publications by the State Statistical Administration

of Czechoslovakia (Statisticheskiye publikatsii gosudarstvennogo

statisticheskogo upravleniya Chekhoslovakii)

PERIODICAL: Vestnik statistiki, 1958, Nr 6, pp 72-78 (USSR)

This article is a critical review of three books containing ABSTRACT:

statistical data on Czechoslovakia, published in 1957 in Prague. Their titles are 1) "Statistical Year-Book of the Czechoslovak Republic - 1957"; 2) "Position of the Czechoslovak Republic in World Economy"; 3) "General Stock-Taking of Basic Funds in

Czechoslovakia".

There are 3 tables.

Card 1/1

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

٦.	TSYRLIN.	T
L	TOYALLIA	وبل

- 2. USTR (600)
- 4. Unemployed United States
- 7. Bourgeois falsification of facts on unemployment in the U.S. Plan. khoz., No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

(MIRA 13:2)

A valuable and much needed book ("Technical inventory and appraisal of buildings" by V.G.Petropavlovskii. Reviewed by D.Takopulo, L.TSyrlin). Zhil.-kom.khoz. 9 no.11:34 '59.

1. Starshiy inzhener Byuro tekhnicheskoy inventarizatsii g.Minska (for Takopulo). 2. Machal'nik Baranovichskogo mezhdugorodskogo byuro tekhnicheskoy inventarizatsii (for TSyrlin).

(Real property--Valuation) (Petropavlovskii, V.G.)

TSYRLIN, L. 2-5-8/11 Tsyrlin, L. AUTHOR: The Statistical Year-Book of the German Democratic Republic for 1955 (Statisticheskiy yezhegodnik germanskoy demokraticheskoy TITLE: respubliki za 1955 g.) Vestnik Statistiki, 1957, # 5, p 77-82 (USSR) The year-book of the German Democratic Republic for 1955 contains PERIODICAL: basic statistical data, showing the economy and culture of the GDR. ABSTRACT: The book consists of the following sections: 1. The part of the separate sectors in basic branches of national economy. 2. Territory and people. 3. National education. 4. Culture. 5. Public health services. 6. Balance of national economy (Social product, national income, real wages, cost of living, population supplies). 7. Labor and productivity of labor. 8. Industry. 9. Construction. 10. Handicraft and small industries. 11. Farming and forestry. 12. Transport and communication service. 13. Inland goods circulation. 14. Foreign trade. 15. Communal economy. 16. Finances. Other sections provide data about mass organizations, parliamentary elections, local organs and geography.

A special annex is referring to the most important statistical data of the West-German and Saar district economy and to basic

Card 1/2

CIA-RDP86-00513R001757320012-3 "APPROVED FOR RELEASE: 08/31/2001

2-5-8/11

The Statistical Year-Book of the German Democratic Republic for 1955

statistical indices of different countries.

The author points out the "considerable" development of the GDR national economy and stresses especially the increasing trend towards nationalized industry and agricultural collectivi-

The year-book has been published in 1956 by the State Central Statistical Institute in Berlin.

ASSOCIATION:

State Central Statistical Institute in Berlin (Gosudarstvennoye tsentral noye statisticheskoye upravleniye, Berlin)

AVAILABLE:

Library of Congress

Card 2/2

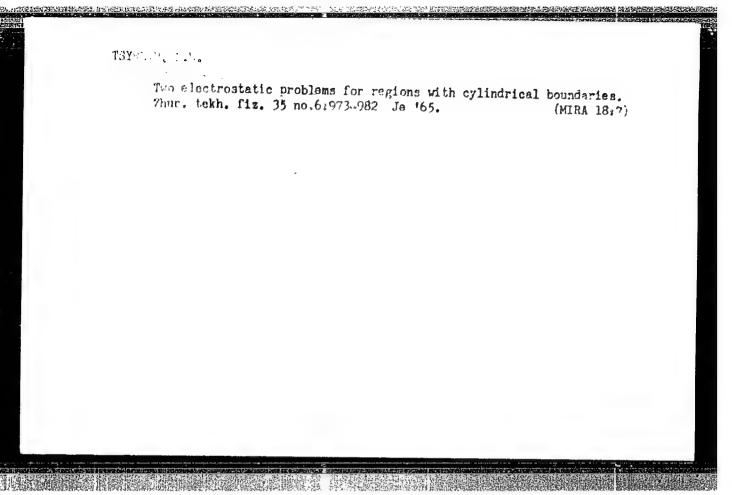
APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

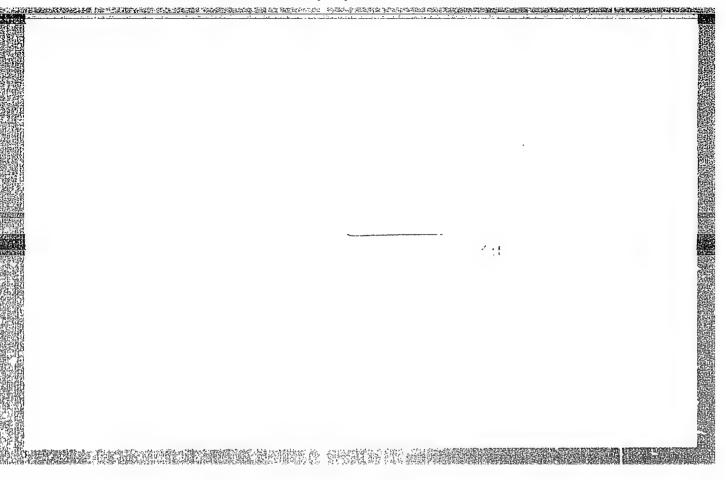
Cost and Standard of Living - United States
Falsification of cost of living index in the U. S. A., Vest. stat., No. 2, 1952.

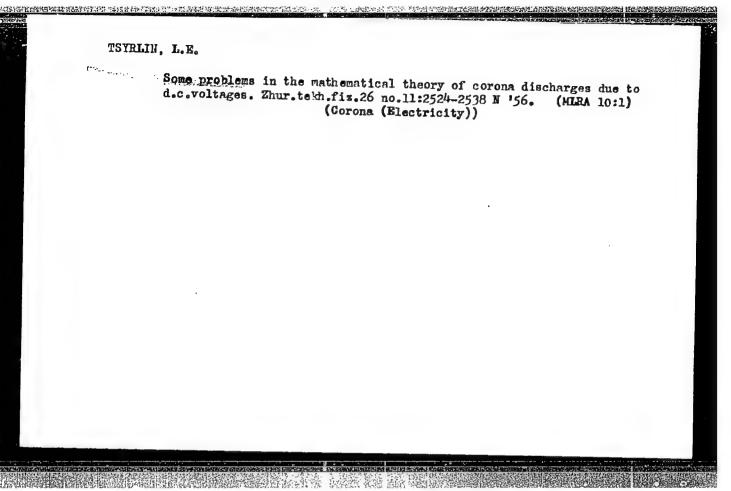
Monthly List of Russian Accessions Library of Congress, July 1952. Unclassified.

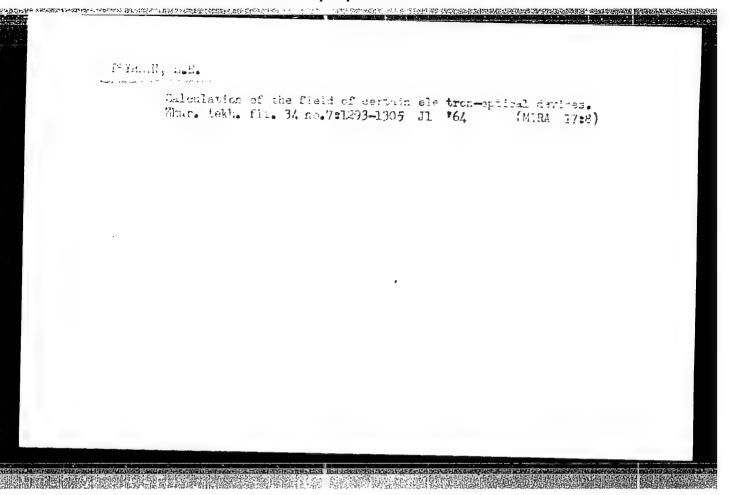
Conditions for the conservation of the geometric picture of an electrostatic field in the presence of a space charge. Zhur. tekh. fiz. 27 no.7r1587-1588 Jl '57. (MLEA 10r9)

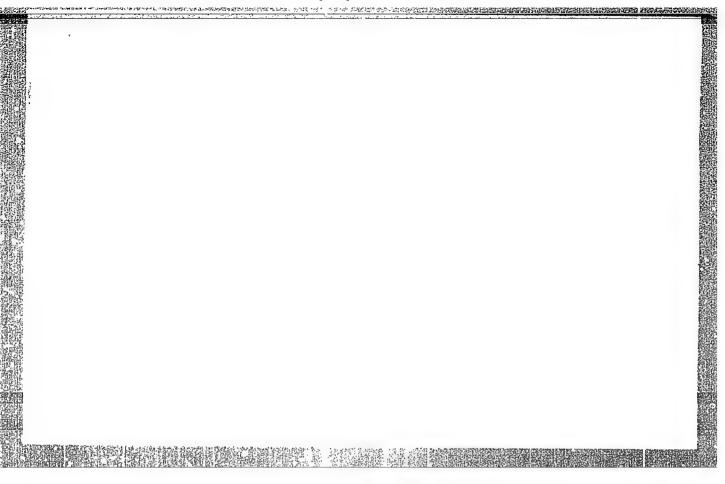
(Electrostatics)











APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"



TSYMMER, L.E., Cand Phys-Leth Sci--(dirm) "Jertein problem of the theory of ion current in ges with the copietion to the theory han, 1951. 16 pp (Min of Higher Education USSR. Len Polyteen Inst im 1.1. Halinin), 150 copied (MI, 49-58, 120)

SAPOZHNIKOV, L.B.; TSYRLIN, L.E.

Scattering of electrons by a potential barrier. Radiotekh. i elektron. 9 no.6:1029-1033 Je 164. (MIRA 17:7)

ACCESSION NR: AP4042006

8/0057/64/034/007/1293/1305

AUTHOR: Tsy*rlin, L.E.

TITLE: On the calculation of the fields of certain electron-optical devices

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.7, 1864, 1283-1305

TOPIC TAGS: electron optics, deflection coil

ABSTRACT: A method is developed for calculating the fields of toroidal—or saddle—wound magnetic deflecting or focusing coils and of certain axially symmetric electrostatic deflecting systems (B.E.Bonshtedt, Avtorskoye svidetel 'stvo No.143479, kl. 21D, 1323, 1961), which is much less laborious than the more rigorous method of P.L. Kapitsa, V.A.Fok and L.A.Vaynshteyn (ZhTF 29,1179,1959). The deflecting coil is treated as a cylindrical shell of magnetic material with a preassigned distribution of current on the inner and outer surfaces to represent the current in the windings. In the case of a magnetically shielded saddle—wound coil, the current is distributed only on the inner surface. The shell of magnetic material is assumed to be thin and, at least in the illustrative calculations, to have infinite permeability. Under these conditions the problem of calculating the field reduces to that of find—

1./3

ACCESSION NR: AP4042006

ing a solution of Laplace's equation which assumes preassigned values on the surface of a cylinder of finite length. To solve this problem, the unknown potential is expressed, with the aid of Green's function, as an integral over an unknown charge distribution on the cylindrical surface. A Fourier transform is performed with respect to the azimuth angle, and an integral equation is derived for the unknown charge distribution in terms of the known values of the potential on the cylindrical surface. To obtain an approximate solution of this integral equation, the cylindrical surface is separated into a finite number of sections by planes perpendicular to the axis, the Fourier component of the charge density is assumed to be either a step function or a stepwise linear function of the axial coordinate, and the integral equation is required to hold only on the average in each section of the cylinder. There results a set of linear equations for the coefficients defining the step function that represents the charge density. From the charge distribution, the field is obtained with the aid of Green's function. This approximation is good only sufficiently far from the surface of the cylinder; a distance equal to the radius of the cylinder can be sufficiently far, however, so that the field can be obtained in the paraxial region where it is most required. The fields of a toroidalwound and a saddle-wound deflecting coil are calculated as examples. The adequacy of the approximation is tested by comparing the values of the approximate potential

"APPROVED FOR RELEASE: 08/31/2001 C

CIA-RDP86-00513R001757320012-3

ACCESSION NR: AP4042006

on the surface of the cylinder with its prescribed values. Rather impressive accuracy is obtained by dividing the cylinder into only three sections. Orig.art.has: 78 formulas, 7 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 22Jul63

ENCL: 00

SUB CODE: QP HA

NR REF SOV: 002

OTHER: 001

FS. 4 KAIN, Z.1

AUTHOR:

Tsyrlin, L. E.,

57-27-7-23/40

TITLE:

Concitions for the Conservation of the Geometric Image of an Electrostatic Field Jon Occurrence of a Volume Charge (Uslavije sokhraneniya geometrichenkoj kartiny ciektrostaticheskogo polya pri pyavlenii ob jeunogo zarjada)

TURIODICAL: Zhurnul Tekhnicheskoy Fiziki, 1997, Vol. 27, Ar 7, pg. 1587-1588

ABSTRACT:

The facts given here were recorded by the author in his papers concerning the theory of the corona discharge (Zhurnal Tekhnicheskoy Fiziki, 1952, Vol. 22, p. 1184; Zhurnal Tekhnfiziki, 1953 Yol. 23, p. 93 and p. 1788) in the three trivial cases (where parallel surfaces, coaxial circular cylinders or concentric spheres serve as electrodes) the occu rence of and the increase in a volume charge in all other cases distort the image of the field. It is shown that a form of distribution of the volume charge, in a general form for any electrode-s, stem, may be found in which the geometric family of equipotential surfaces (or lines of force) is the same in the abconce of the volume charge, independent on its quantity. Thomas is 1 Slavic reference.

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

Conditions for theConservation of the Geometric Luage of an 57-27-7-23/40 Electrostatic Field U-on Geometrice of a Volume Charge

SUBLITTED: Decomber 1, 1956

AVAILABLE: Library of Congress

1. Corona discharges-Theory 2. Electrostatic fields-Theory

Card 2/2

AUTHOR:

PA - 2144

TITLE:

Remarks on the Paper from Popkov "On the Theory of Stationary

Current Bipolar Corona." (Russian).

Zhurnal Tekhn. Fiz., 1957, Vol 27, Nr 2, pp 417 - 421

(U.S.S.R.)

Received: 3 / 1957

Reviewed: 4 / 1957

THE PROPERTY OF THE PROPERTY O

ABSTRACT:

PERIODICAL:

It is stated that the equilibrium-equation of ions which is used in Popkov's theory does not correspond to the physical character of this task. The correct equations have already been given by the author (TSYRLIN) in Zhurnal tekhn. Fiz., 1953, Vol 23, 1788. This question is again discussed since Popkov insists on the correctness of his theory. It is also shown that Popkov's method of solving tasks is not approximated, but incorrect. Furthermore it is shown that Popkov's attempts at explaining his theory by the influence of counterflowing ions are completely wrong. Popkov's calculations are no reason to assume a decline of the boundary-field with developing Corona. The reference made to Kaptsov is unfounded since the latter never made such a statement. Comparison with experimental results obtained by Kyun for coiled conductors can serve as a good means of discrediting the theory referring to cylindrical conductors. Summing up it is stated that the

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

Remarks on the Paper from Popkov "On the Theory of Stationary Current Bipolar Corona,"

results of Popkov's theory are proved to be unfounded by circumstances of a principal nature.

ASSOCIATION:

Not given.

PRESENTED BY: SUBMITTED:

27.2.1956

AVAILABLE:

Library of Congress.

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

USSR/Physics - Corona discharge

FD - 3169

Card 1/1

Pub. 153 - 25/26

Author

: Tsyrlin, L. E.

Title

: Remarks on V. I. Popkov's article "Theory of corona discharge in gas at

constant voltage"

Periodical : Zhur. tekh. fiz., 25, No 13 (November), 1955, 2403-2405

Abstract

: The aim of V. I. Popkov in his article (Izv. AN SSSR, OTN, No 5, 1953) was to find the volt-ampere dependence, field distribution, current, and charge for unipolar corona in the general (i.e. 3-dimensional) case; that is, he sought to find the approximate solution of the following system of equations e'div E = p and div j = div pkE = 0 in the form E = 0E0, where E0 is the field in the absence of space charge. The present writer had already noted earlier (ibid. 23, 1, 1953), concerning previous works of Popkov (Elektrichestvo, No 1, 1949) that in as much as the last relation E = 0EO is untrue in the general case the field in this form cannot simultaneously satisfy both of the first equations as stated; i.e. in trying to satisfy the exact system of equations by the known inexact form of the solution, the writer obtained an incompatible system.

Submitted

: November 23, 1953

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757320012-3

PA - 1841

-TSYRLIN, LYE. 18 YKLIN, WIJE

SUBJECT

PERIODICAL

USSR / PHYSICS

CYRLIN, L.E.

TITLE

Some Problems connected with the Mathematical Theory of the Corona

Discharge in the Case of a Constant Voltage. Zurn.techn.fis, 26, fasc.11, 2524-2538 (1956)

Issued: 12 / 1956

The accepted theory of the unipolar corona is based on a nonlinear system of the third order of partial differential equations. The present work deals with the problem connected with solving this system for the general case that these equations have not degenerated into elementary, elementarily solvable equations.

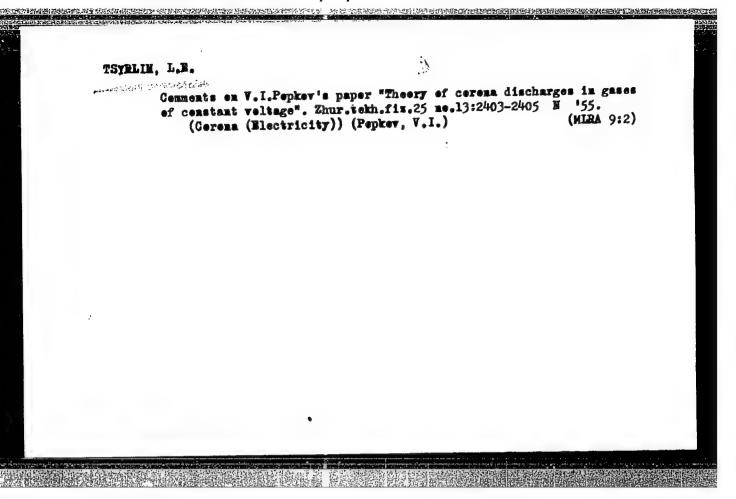
The following is shown by the present work: The previously obtained solutions can, from the point of view of certain direct methods of mathematical physics (by which a partial differential equation is reduced to a system of ordinary differential equations) be considered as first approximation.

The ordinary differential equations to which application of these methods leads in the following approximations can, in turn, be reduced to recurrence systems of simple linear equations. On this occasion the solutions are represented as development in series according to the powers of any corona parameter.

It is also possible to make use of a representation in form of a series according to the parameter of the direct solution of the original partial differential equation. This representation is reduced to a recurrence system of linear POISSON equations, but with an unknown right side which can be determined from the bound-

Zurn.techn.fis, 26, fasc.11, 2524-2538 (1956) CARD 2 / 2 PA - 1841 ary conditions. The application of the aforementioned direct methods to these equations leads to the same result as the above mentioned order of solution. The paper then deals with the solution of this problem in second approximation for a system consisting of a conductor and a plane. By approximated summation of the series over the parameter useful formulae are obtained for the voltampère dependence, and these formulae are then compared with experimental data. The above is a translation of the summary attached by the author.

INSTITUTION:



TSYRLIN, L. E.

USSR/Electricity - Corona Discharge Jul 52

"Theory of Corona Discharge at Constant Potential," L. E. Tsyrlin

"Zhur Tekh Fiz" Vol XXII, No 7, pp 1184-1189

Analyzes corona discharge between endless cylindrical cable and aparallel plane at const potential. Gradually solves problems of volt/ampere ratio, field distribution, current and charge under assumption of stability of static field. Indebted to V. V. Gey. Received 1 Apr 52.

223140

TSYRLIN, L.M.

ABRAMOV, V.A.; ALEKSEYNV, A.M.; AL'TER, L.B.; ARAKELYAN, A.A.; BAKIANOV, G.I.;
BASOVA, I.A.; BLYUMIN, I.G.; BOGOMOLOV, O.T.; BOR, M.Z.; BREGEL',
E.Ya.; VEYTSHAN, N.R.; VIKENT'YEV, A.I.; GAL'TSOV, A.D.; GERTSOVSKAYA,
B.R.; GIADKOV, I.A.; DVORKIN, I.M.; DRAGILEV, M.S.; YEFIMOV, A.N.;
ZHAMIN, V.A.; ZHUK, I.N.; ZAMYATNIN, V.N.; IGNAT'YEV, D.I.; IL'IN,
M.A.; IL'IN, S.S.; IOFFE, Ye.A.; KAYE, V.A.; KAMENITSER, S.Ye.;
V.G.; KRAYEV, M.A.; KRONROD, Ya.A.; KOIGANOV, M.V.; KONTOROVICH,
LOGOVINSKAYA, R.L.; LYUBOSHITS, I.I.; MALYSH, A.I.; MENZHINSKIY,
Ye.A.; MIKHAYLOVA, P.Ya.; MOISEYEV, M.I.; MOSKVIN, P.M.; NOTKIN,
A.I.; PARTIGUL, S.P.; PERVUSHIN, S.P.; PETROV, A.I.; PETRUSHOV, A.M.;
PODGORNOVA, V.M.; RABINOVICH, M.A.; RYVKIN, S.S.; RYNDINA, M.N.;
SAKSAGANSKIY, T.D.; SAMSOHOV, L.N.; SMEKHOV, B.M.; SOKOLIKHIN, S.I.;
SOLLERTINSKAYA, Ye.I.; SUDARIKOV, A.A.; TATAR, S.K.; TERENT'YEV,
P.V.; TYAGAY, Ye.Ya.; FEYGIN, Ya.G.; FIGURNOV, P.K.; FRUMKIN, A.B.;
EYDEL'MAN, B.I.; EKHIN, P.E.; MITROFAHOVA, S., red.; TROYAHOVSKAYA, N.,
tekhn.red.

[Concise dictionary of sconomics] Kratkii skonomicheskii slovar'.

Moskva, Gos.izd-vo polit.lit-ry, 1958. 391 p. (MIRA 11:7)

(Economics-Dictionaries)

TSYRLIN, L. M.

Bourgois statistics are concealing the truth

HA29.T78

1. Statistics. I. Petrov, Aleksandr Il'ich, 1897-

LEVIT, G.A.: TSTRLIN, M.M.: LAPIDUS, A.S.

Lubricants and lubrication systems for face-plate supports of heavy-duty vertical boring and turning machines. Stan.i instr.
29 no.5:28-34 My '58. (MIRA 11:7)
(Metalworking lubricants)

en brendska en slagen betrekken en beske betrekken en beske betrekken en beske beske beske beske beske beske b

DMITRIYEVA, R. [translator]; LEZINOVA, N. [translator]; SHPRINK, V. [translator]; TSYRLIH, L.M., red.; SEMENOVA, N.Kh., red.; PYATAKOVA, N.D., tekhn.red.

[Agricultural statistics in capitalist countries] Statistika sel'skogo khoziaistva v kapitalisticheskikh stranskh; sbornik statei. Moskva, Gosstatizdat TsSU SSSR, 1960. 226 p.

(MIRA 14:1)

(Agriculture--Statistics)

TSYRLIN, L. W.

Bourgois statistics are concealing the truth.

1. Statistics. 1. Petrov, Aleksandr II'ich, 1897

TSYRLIN, L. M.

Burzhuaznaia statistika skryvaet pravdu /Bourgeois statistics conceal the truth/. Moskva, Gospolitizdat, /1954?/ 168 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 3, June 1954.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

Thermal-radiation drying of car bodies. Avt.prom. no.2:38-40 F '60. (MIRA 13:5)

1. Gor'kovskiy avtozavod. (Automobiles--Painting)

TSYRLIN, M.I., insh.

Electric painting and heat-radiation drying. Mashinostroitel'
no.4:30-31 Ap '60. (MIRA 13:6)

(Painting, Industrial) (Drying apparatus)

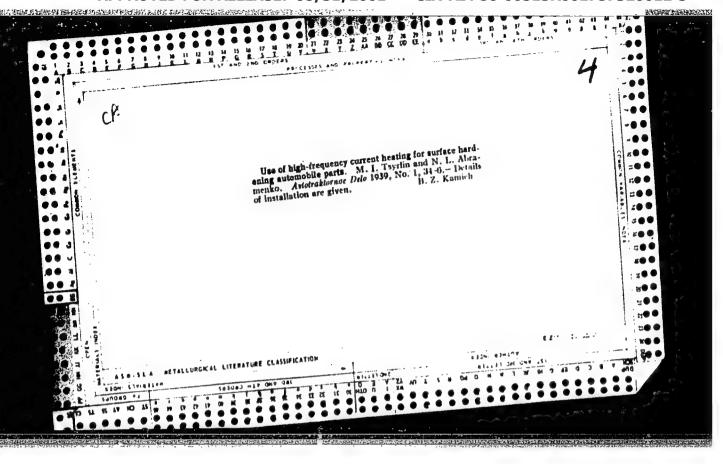
ZIL'BERBERG, V.I.; ROZNO, L.I.; GULYAYEV, A.I.; TSYRLIN, M.I.;
BOBKOV, L.S., inzh., retsenzent; MANUYKOV, P.N., inzh.,
red.

[Overall mechanization and automation of painting operations] Kompleksnaia mekhanizatsiia i avtomatizatsiia okrasochnykh rabot. Moskva, Mashinostroenie, 1965. 146 p.

(MIRA 18:6)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757320012-3



LEVIT, G.A.; TSYRLIN, M.M.

Increasing the working capacity of the cylindrical guide of vertical boring and turning machines. Stan.i instr.27 no.6:1-9 Je '56. (Machine tools) (MIRA 9:9)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

ISYTIIN, M.M.

AID P - 5160

Subject USSR/Engineering

Card 1/1 Pub. 103 - 1/19

Authors Levit, G. A., and M. M. Tsyrlin

Title Increasing performance efficiency of circular guides in

vertical boring and turning machines.

: Stan. i instr., 6, 1-9, Je 1956 Periodical

Abstract The authors describe the research undertaken jointly by the Experimental Scientific Research Institute of Metal-Cutting Machines (ENIMS) and Machine-tool Construction Bureau No. 4 at the Kolomna Heavy Machine-tool Plant, in order to eliminate the formation of scorings on friction surfaces of the circular guides of vertical turning machines (the 1532-model was used). A few practical sug-

gestions are given. Five drawings, 16 graphs, 2 tables.

Institutions: As above Submitted No date

MEDNIKOV, A.M.; TSYRLIN, M.M.

Spring-indicator tensile-force dynamometer. Stan.1 instr. 27
no.1:39-40 Ja '56. (MLHA 9:5)

(Dynamometer)

TIYELIN, M.M.

Experience in using an electromechanical system of periodic feeding operating with alternating current in heavy milling machines. Stan. i instr. 25 no.9:7-10 s '54. (MIRA 7:11)

(Milling machines)

TSYRLIN, M.M.

USSR/ Miscellaneous

Card 1/1 : Pub. 103 - 2/29

Authors : Mednikov, A. N., and Tsyrlin, M. M.

Title : Utilization of electromechanical systems of periodic AC-current feeding

in heavy machines

Periodical: Stan. i instr. 9, 7-10, Sep 1954

Abstract : The advantages and disadvantages of using electromechanical systems for

periodic AC-current feeding in heavy metal-processing machines are discussed. The electrical motors most recommended for this purpose are

described. Graphs; drawings; illustrations.

Institution : ...

Submitted : ...

The commence of the comment of the c

CIA-RDP86-00513R001757320012-3"

KOMINAR, S.I.; TSYRLIN, M.I.

Electric pulse cutting of forging dies at the Gorkiy Automobile Plant. Avt. prom. 30 no.7:42-44 Jl '64.

(MIFA 17:9)

1. Gor'kovskiy avtozavod.

APPROVED FOR RELEASE: 08/31/2001

AID P - 4216

Subject USSR/Engineering

Card 1/1 Pub. 103 - 17/20

Authors : Mednikov, A. N. and N. M. Tsyrlin

: Spring and Arrow-Type Dynamometers Title

Periodical : Stan. i instr., 1, 39-40, Ja 1956

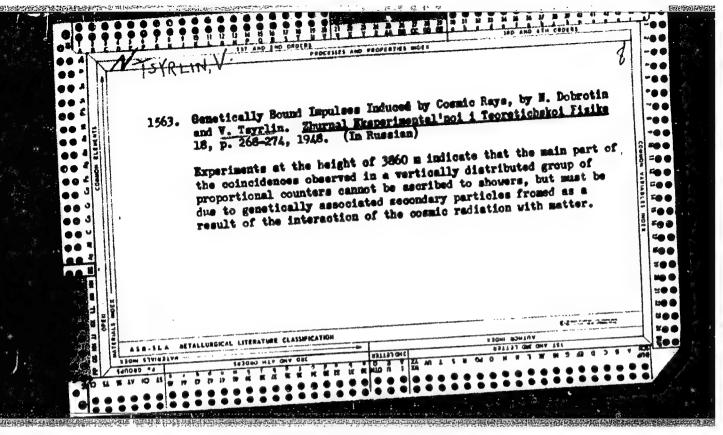
Abstract The Kolomenskiy (near Moscow) Plant has built new and

improved dynamometers of a spring and arrow-type design of 5 to 200 kgs capacity. The authors describe the 50 kg dynamometer and illustrate it. One picture and

l drawing.

Institution: None

Submitted : No date



"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757320012-3

TSYRLIN, V.

USSR/Nuclear Physics - Counters, Electronic Nuclear Physics - Cosmic Radiation Jul 43

"Use of the Proportional Counter Method for Studying the Genetic Relationship of Impacts Caused by Cosmic Rays," N. Dobrotin, S. Nikol'skiy, V. Tsyrlin, Phys Inst imeni P. N. Lebedev, Acad Sci USSR, 24 pp

"Dok Ak Nauk SSR" Vol LXI, No 2

Continuation of previous paper (see 58T86). Experiments were performed in summer of 1947, 3,860 meters above sea level. Results confirm previous conclusion, that many of the coincidences in proportional counters, whether placed side by side or above each other, are caused by genetically connected fissions.

Submitted 13 May 48

PA 11/49T85

TSYRLIN, V. Yu.

197

Investigation of Genetically Related Pulses with the Aid of Proportional Counters. N. A. Dobrotin, G. M. Stashkov, and V. Yu. Tsyrlin. Doklady Akad. Nauk S.S.S.R. 65, 473-6(19.9) (in Rustian) (See also NSA 1-1563 and 2-1557).

In previous works (Doklady Akad. Nauk S.S.S.R. 57, 443 (1947); 61, 249 and 261(1948)) the authors described pecular "genetically related" pulses produced by cosmic rays in proportional counters, which could not be ascribed to ordinary showers or to single slow, strongly-ionizing particles due to nuclear disintergrations. New observations, made at 3,860 m altitude, are reported here. The instrument was a telescope consisting of two groups of flat proportional counters and, between them, a group of fast counters connected with meon bulbs and forming a hodoscope; another part of the same hodoscope was a group of counters placed at 2m from the telescope. The set-up permitted a clear discrimination between two co-existing effects, viz. extensive showers and "genetically related pulses." In the latter, the number of pulses decreases with the number of hodoscope counters involved at each pulse; the correlation coefficient between the intensities of pulses recorded by the two groups of proportional counters is zero; the spectrum of the pulse intensities is N(i)= Ci-k with k-2.4 0.4. In the showers, the number of pulses increases with the number of hodoscope counters discharged at each pulse; the correlation coefficient between the two groups of proportional counters is equal to 0.36; the exponent in the spectrum of the intensities, for the dase of dense showers, is k = 1.20.4.

KLIMENKO, V. (Leningrad); TSYRKIN, Ye. (Leningrad)

Unification of symbols in the economics literature. Vop.ekon.
no.9:152-153 \$ '60. (MIRA 13:8)

(Economics-Terminology)

BRUNSHTEYN, B.A.; GORENBURG, V.P.; KLIMENKO, V.L.; FUKS, Ye.Sh.; TSYRKIN, Ye.B.

Optimalizing the production of automobile gasoline in a petroleum refinery. Nefteper. i neftekhim. no.12:3-7 '63. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757320012-3"

40	Chicken pox and herpes zoster. Vrach. delo no.9:125 S 160. (MIRA 13:9) 1. Klinika kozhnykh i venericheskikh bolezney (zav dotsent S.N. Bogdanovich) Kiyevskogo meditsinskogo instituta. (CHICKEN POX) (HERPES ZOSTER)

22597 \$/066/60/000/002/002/006 A003/A129

26.2194

Medovar, L.; Uzhanskiy, V.; Tsyrlin, B.; - Engineers

TITLE:

AUTTHORS:

Electronic indicators for refrigerating compressors

PERIODICAL: Kholodil'naya tekhnika, no. 2, 1960, 8 - 12

TEXT: The operation processes of modern piston machines necessitates the use of electronic indicators which permit the devices to be unified and the observation and recording of several processes to be made at the same time. Recently the works of V. Zolotarevskit [Ref. 1: Analiz rabochego protsessa bystrokhodnykh porshnevykh dvigateley po indikatornym diagrammam, Laboratoriya dvigateley AN SSSR (Analysis of the operation process of high-speed piston engines by indicator diagrams, Laboratory of Engines of the AS USSR), VINITI, 1957] and V. Kokosha [Ref. 2: Issledovaniye vliyaniya chisla oborotov na rabochiye koeffitsienty freonogo porshnevogo kompressora maloy proizvoditel nosti. Dissertatsiya, 1955 (Investigation into the effect of the revolution number on the operation coefficients of a piston compressor of low productivity. Dissertation, 1955)] aroused great interest. The first types of electronic indicators were developed in 1954 by V. Kudryavtsev and Yu. Yasenev [Ref. 3: Otchet VNIKhI (Report of the VNIKhI),

Card 1/7

22597 S/066/60/000/002/002/006 A003/A129

Electronic indicators for refrigerating compressors

1954]. The circuit diagram of an electronic indicator used at the VNIKhI is shown in Figure 1. The resistors of the pickup tensiometers R_{∂_1} and R_{∂_2} are connected to two shoulders of the bridge. The resistors R_3 and R_4 form two other shoulders of the bridge. The potentiometer R_5 with the capacitor C compensates the paraoff the bridge. sitic capacitances of the tensiometers and the conducting wires. An electronic oscillograph 30-7 (E0-7) with a screen diameter of 150 mm, a "Zenit" camera for photographing the oscillograms and a 31-10 (ZG-10) sound generator for feeding the bridge circuit were used in the experiments. The frequency of the feeding current was 4 kc/s. Figure 2a shows a diagram obtained with an electronic indicator. For magnetoelectric experiments a MTTO-2 (MPO-2) oscillograph was used. Figure 2b shows the oscillogram of the process and the designation of the dead points. The transformation of the oscillograms from the coordinates "pressure versus time" into the coordinates "pressure versus piston course" is carried out either graphically or by an approximate formula relating the piston course S with the angle of turning α : $S = R \left[1 - \cos \alpha + \frac{\lambda}{4} (1 - \cos 2\alpha)\right]$, where $\lambda = 1$ the ratio of the radius of the camshaft to the length of the connecting rod. It was shown that the most important element of the device is the pressure pickup. Figure 3 shows a pickup for big compressors. For small compressors a plate pickup was developed [Ref. 10: L. Medovar, Otchet VNIKhI (Report of the VNIKhI),

Card 2/7

Electronic indicators for refrigerating compressors

22597 S/066/60/000/002/002/006 A003/A129

1959] which is inserted directly into the valve plate from the cylinder side and communicates with the atmosphere (Fig. 4). The position of the pickup in relation to the cylinder is of utmost importance. In order to obtain accurate results, the device must satisfy the following conditions: 1) the dependence between the pressure to be tested and the deviation of the oscillograph ray must be linear with an accuracy of 1 - 2%; 2) the dependence between the deviation of the ray at a given pressure amplitude and frequency of pressure change must be constant within the frequency range from 0 to f_{max} with an accuracy of 1 - 2%; the maximum frequency depends on the rpm of the machine and can be determined by the formula fmax cycles, where N is the rpm number of the machine ² 30 πan and a_n the accuracy of reproducibility; 3) the value of the carrying frequency must surpass the maximum frequency by at least 2 - 3 times; 4) during operation the tensiometers must not be overheated by current; its permissible density must not exceed 50 amp/mm2; the value of the feeding voltage is calculated by the formula $u = 50 \text{ S}_1(R_{\theta} + R_{\theta})$, where S is the cross section of the wire in mm², $R_{\it 0}$ is the resistance of the pickup in ohm, $R_{\it 6}$ is the resistance of the balance shoulder in ohm; in short-time operation the admissible current density can reach 100 amp/mm²; 5) the pickups should have a minimum sensitivity to tempera-

Card 3/7

H

Electronic indicators for refrigerating compressors

. 22597 **S/066/60/0**00/002/002/006 A003/A129

ture changes. Small-size transportable pickups should be developed for work under operation conditions. There are 4 figures and 11 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti (All-Union Scientific Research Institute of the Refrigerating Industry)

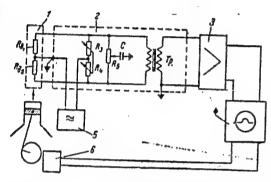


Figure 1: Diagram of the electronic indicator. 1 - pressure pickup; 2 - measuring circuit; 3 - amplifier; 4 - oscillograph; 5 - generator of sound frequency; 6 - indicator of dead points.

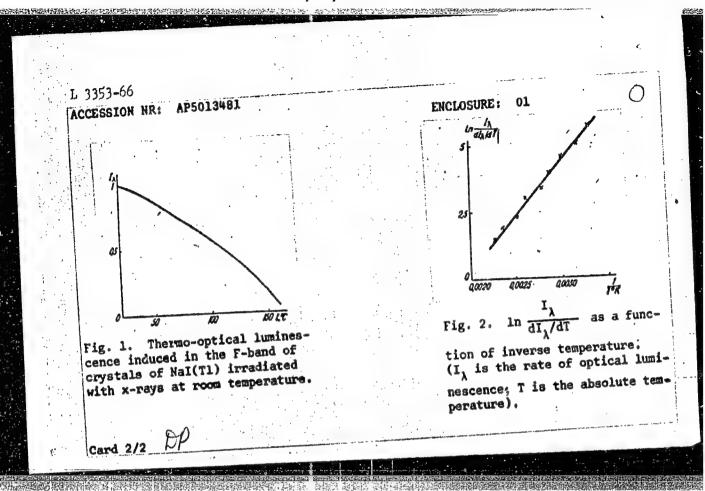
Card 4/7

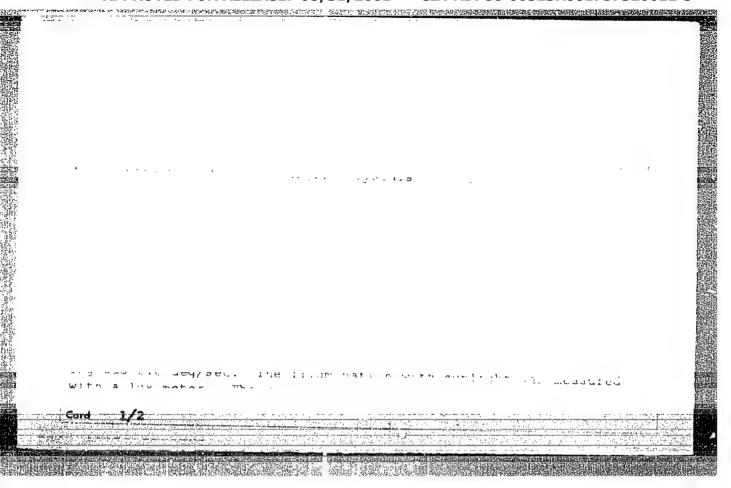
H

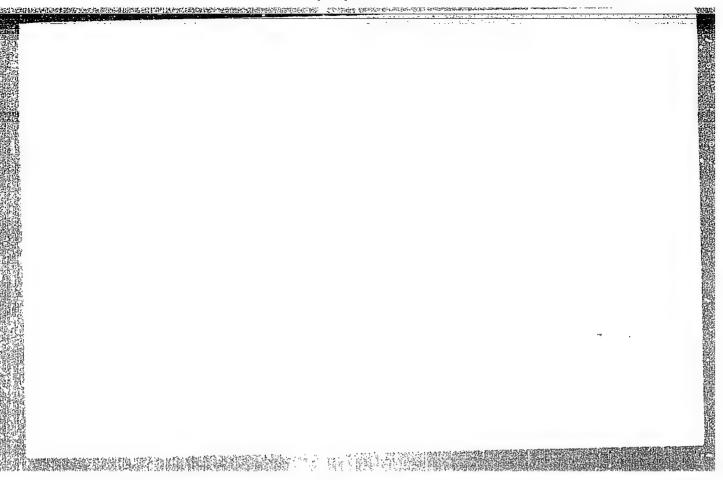
Use of ventilating fans to reise the persis the current level in VV-15/500 enterm. Vents. Attropren. 3L no.12:35-36 D '5'.

(Alectric cutents)

L 3353-66 EWT(1)/EPA(s)-2/EWT(m)/T/EWP(t)/EWP(b)ACCESSION NR: AP5013481 IJP(c) JD/J3/GG UR/0185/65/010/005/0570/0571 AUTHOR: Baturicheva, Z. B.; Hurevych, N. Yu.; Tsyrlin, Yu. A. TITLE: The effect of iunic processes on the thermal destruction of capture centers TITLE: in NaI(T1) SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 5, 1965, 570-571 TOPIC TAGS: sodium chloride, radiative capture, ionic crystal ABSTRACT: The authors studied the effect of ionic processes on the thermal stability of F-capture centers in NaI(T1) crystals treated with x-rays at room temperature (50 kv, 10 ma, exposure I year). By assuming an ionic mechanism in the destruction of F-capture centers, values were obtained for the activation energy of structuresensitive conductivity which are in good agreement with experimental results. It is concluded that the thermal destruction of F-capture centers is basically the result of ionic processes in the case of higher-than-room temperatures. Orig. art. has: 2 figures, 5 equations. ASSOCIATION: VNDI Monokrystaliv m. Kharkov (VNDI of Monocrystals) ENCL: 01 NO REF SOV: 002 SUB CODE: SS OTHER: 002 Card 1/2







HOVIKOV. I.A.; TSYRLINA, B.B.

Modification of the photographic properties and resolving power of ultra-high dispersion emulsions during chemical ripening. Zhur.nauch.i prikl.fot.i kin. 5 no.3:218-219
Hy-Je *60. (MIRA 13:7)

l. Filial Vsesoyuznogo nauchno-issledovatel'skogo kinofotoinstituta, g.Kazan'.

(Photographic emulsions)

S/077/60/005/005/005/009 E073/E335

AUTHORS: Novikov, I.A. abd Tsyrlina, B.B.

TITLE: On the Changes in the Photographic Properties and the Resolving Power of Particularly High Disperse

Emulsions During the Process of Chemical Maturing

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1960, Vol. 5, No. 3, pp. 218 - 219

TEXT: One of the authors has shown in an earlier paper (Ref. 1) that during the process of chemical maturing of some particularly high disperse emulsions the average size (x) of the microcrystals of silver halide increases appreciably. The assumption was expressed that this size-increase influences the photographic and the structural properties of the emulsion layers. The assumption was verified on silver-chloride photomemulsions produced in one case at an ordinary maturing

temperature $(\ddot{x}=0.052~\mu^2)$ and, in the other case, at a reduced maturing temperature $(\ddot{x}=0.023~\mu^2)$. After washing, both emulsion specimens were subjected to a second maturing process during which specimens were taken from the emulsion

Card 1/4

S/077/60/005/005/005/009 E073/E335

On the Changes in the Photographic Properties and the Resolving Power of Particularly High Disperse Emulsions During the Process of Chemical Maturing

for determining the light sensitivity (S) , the coefficient of contrast (γ) , the fog (D_0) , the resolving power (R) and x. The values of x were determined from the scattering of the light in the undeveloped emulsion layers (Ref. 2). The results of the experiments are represented in a graph on p. 219 in the form of the curves $x = f(\tau)$, $S = f(\tau)$, $\gamma = f(\tau)$ and $R = f(\tau)$. The curves $D_0 = f(\tau)$

are not reproduced since both emulsion specimens were fog free. The obtained results indicate that with increasing duration of the chemical maturing the S of the emulsion increases and γ and R pass through maxima. The latter were more pronounced in the specimen in which the decrease in dispersion was more intensive. In ordinary emulsions γ increases with increasing time of the second maturing (Ref. 3). The detected character of the changes of γ is apparently determined by two factors Card 2/4

S/077/60/005/005/005/009 **E073/E**335

On the Changes in the Photographic Properties and the Resolving Power of Particularly High Disperse Emulsions During the Process of Chemical Maturing

which counteract each other; presence of chemical sensitizing which increases γ and coarsening of the emulsion microcrystals which reduces the contrast (Ref. 3). At the beginning of the maturing process the effect of the first factor manifests itself more strongly, whilst during the further process it is the second factor which is more pronounced. Under otherwise equal conditions R decreases with increasing x. However, in comparing the obtained curves no direct relation can be detected between them characteristics and, on the contrary, a full analogy can be observed between the changes of $\,R\,$ and $\,\gamma\,$. This is not a random conclusion. Numerous observations have shown that a considerable change in the dispersion of the emulsion leads to a relatively small increase or decrease in R (Refs. 4, 5). On the other hand, it is known that with increasing γ , R increases appreciably (Ref. 6). It is possible that the observed characteristic of the change in R is explained particularly by the given relation. Card 3/4

5/077/60/005/003/005/009

On the Changes in the Photographic Properties and the Resolving Power of Particularly High Disperse Emulsions During the Process

There are 1 figure and 6 references: 1 English and 5 Soviet.

Kazan, Filial NIKFI (Kazan Branch of NIKFI)

SUBMITTED:

July 15, 1959

Card 4/4

PUSEKIN, V.Z. (Petrozavodsk); TSYRLINA, L.S. (Petrozavodsk).

Prothrombin index of the blood in chronic tonsillitis. Zhur.
ush., nos. i gorl. bol. 23 ro.5:29-31 S-0'63 (MIRA 17:3)

GITNIK, S.M., inzh.; TSYRLINA, S.L., inzh. Sectional principle in the design of enterprises for the construction industry. Prom. stroi. 39 no.9:40-47 'fl. (MIRA 14.10) (Industrial buildings)